

AP20 Rec'd PCT/PTO 22 JUN 2006

SEQUENCE LISTING

<110> CropDesign N.V.

<120> Plants having increased yield and method for making the same

<130> CD-106-PCT

<150> US 60/532,287

<151> 2003-12-22

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 1311

<212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

<223> A variant of the coding sequence of the sequence deposited under accession number NM_121168 contains a G instead of C on position 851 and a T instead of C on position 1295

<400> 1

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gtatcaatac	ctccaacaaa	accttctttt	aaacagcaaa	agagacgtgc	agtacttaag	180
gatgtgagta	atacctctgc	agatattatt	tattcagaac	ttcgaaagg	aggcaacatc	240
aaggcaaaca	gaaaatgtct	aaaagagcct	aaaaaagcag	caaaggaagg	tgctaacagt	300
gccatggata	ttctggtaga	tatgcataca	gaaaaatcaa	aattagcaga	agatttgtcc	360
aagatcagga	tggtgaagc	ccaagatgtc	tctctttcaa	actttaaaga	tgaagaaatt	420
actgagcaac	aagaagatgg	atcaggtgtc	atggagttag	ttcaagttgt	agatattgat	480
tccaacgtcg	aagatccaca	gtgttgacgc	ttgtatgctg	ctgatataata	tgacaacata	540
catgttgcag	agcttcaaca	acgacccttg	gctaattata	tggagcttgt	gcagcgagat	600
atcgacccag	acatgagaaa	gattctgatt	gactggcttg	tagaagtttc	tgacgactac	660
aagctgggtc	cagatacgct	ttaccttaca	gtgaatctta	tcgaccggtt	tctgtccaac	720
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aaatatgaag	agctttccgc	accaggggtg	gaggagtgtt	gcttcattac	ggccaacaca	840
tacacaagag	cagaagtgtc	gagcatggag	attcaaattc	taaaattttgt	gcactttaga	900
ttatcggttc	ctaccaccaa	aacatttctg	aggcggttca	ttaaagcagc	tcaagcttcg	960
tacaaggtgc	ctttcattga	actggagtat	ttagcaaaact	atctcgccga	attgacactg	1020
gtggaatata	gtttcctaag	gttcctgcc	tcactaattg	ctgcttcagc	tggtttccta	1080
gcccgatgga	cactcgacca	aactgaccat	ccttgaacc	ctactctgca	acactacacc	1140
agatatgagg	tagctgagct	gaagaacaca	gttctcgcca	tggaggactt	gcagctcaac	1200
accagtggct	gtactctcgc	tgccaccctg	gagaaataca	accaaccaaa	gtttaagagc	1260
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<210> 2

<211> 436

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> MISC_FEATURE

<223> A variant of the sequence deposited under accession number NP_568248 contains an arginine instead of a proline on position

284 and a phenylalanine instead of a serine on position 432

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			20					25					30			
Ala	Lys	Lys	Ala	Met	Gly	Arg	Gly	Val	Ser	Ile	Pro	Pro	Thr	Lys	Pro	
			35				40					45				
Ser	Phe	Lys	Gln	Gln	Lys	Arg	Arg	Ala	Val	Leu	Lys	Asp	Val	Ser	Asn	
	50					55					60					
Thr	Ser	Ala	Asp	Ile	Ile	Tyr	Ser	Glu	Leu	Arg	Lys	Gly	Gly	Asn	Ile	
65					70					75					80	
Lys	Ala	Asn	Arg	Lys	Cys	Leu	Lys	Glu	Pro	Lys	Lys	Ala	Ala	Lys	Glu	
				85					90					95		
Gly	Ala	Asn	Ser	Ala	Met	Asp	Ile	Leu	Val	Asp	Met	His	Thr	Glu	Lys	
			100					105					110			
Ser	Lys	Leu	Ala	Glu	Asp	Leu	Ser	Lys	Ile	Arg	Met	Ala	Glu	Ala	Gln	
		115					120					125				
Asp	Val	Ser	Leu	Ser	Asn	Phe	Lys	Asp	Glu	Glu	Ile	Thr	Glu	Gln	Gln	
	130					135					140					
Glu	Asp	Gly	Ser	Gly	Val	Met	Glu	Leu	Leu	Gln	Val	Val	Asp	Ile	Asp	
145					150					155					160	
Ser	Asn	Val	Glu	Asp	Pro	Gln	Cys	Cys	Ser	Leu	Tyr	Ala	Ala	Asp	Ile	
				165					170					175		
Tyr	Asp	Asn	Ile	His	Val	Ala	Glu	Leu	Gln	Gln	Arg	Pro	Leu	Ala	Asn	
			180					185					190			
Tyr	Met	Glu	Leu	Val	Gln	Arg	Asp	Ile	Asp	Pro	Asp	Met	Arg	Lys	Ile	
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Leu	Ile	Asp	Trp	Leu	Val	Glu	Val	Ser	Asp	Asp	Tyr	Lys	Leu	Val	Pro	
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Asp	Thr	Leu	Tyr	Leu	Thr	Val	Asn	Leu	Ile	Asp	Arg	Phe	Leu	Ser	Asn	
225					230					235					240	
Ser	Tyr	Ile	Glu	Arg	Gln	Arg	Leu	Gln	Leu	Leu	Gly	Val	Ser	Cys	Met	
				245					250					255		
Leu	Ile	Ala	Ser	Lys	Tyr	Glu	Glu	Leu	Ser	Ala	Pro	Gly	Val	Glu	Glu	
			260					265					270			
Phe	Cys	Phe	Ile	Thr	Ala	Asn	Thr	Tyr	Thr	Arg	Pro	Glu	Val	Leu	Ser	
		275					280					285				
Met	Glu	Ile	Gln	Ile	Leu	Asn	Phe	Val	His	Phe	Arg	Leu	Ser	Val	Pro	
	290					295					300					

Thr Thr Lys Thr Phe Leu Arg Arg Phe Ile Lys Ala Ala Gln Ala Ser
 305 310 315 320
 Tyr Lys Val Pro Phe Ile Glu Leu Glu Tyr Leu Ala Asn Tyr Leu Ala
 325 330 335
 Glu Leu Thr Leu Val Glu Tyr Ser Phe Leu Arg Phe Leu Pro Ser Leu
 340 345 350
 Ile Ala Ala Ser Ala Val Phe Leu Ala Arg Trp Thr Leu Asp Gln Thr
 355 360 365
 Asp His Pro Trp Asn Pro Thr Leu Gln His Tyr Thr Arg Tyr Glu Val
 370 375 380
 Ala Glu Leu Lys Asn Thr Val Leu Ala Met Glu Asp Leu Gln Leu Asn
 385 390 395 400
 Thr Ser Gly Cys Thr Leu Ala Ala Thr Arg Glu Lys Tyr Asn Gln Pro
 405 410 415
 Lys Phe Lys Ser Val Ala Lys Leu Thr Ser Pro Lys Arg Val Thr Ser
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 Leu Phe Ser Arg
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 <212> DNA
 <213> *Oryza sativa*

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 aaacaagagt gtcaatggaa caatgaaaac catatgacat actataattt tgtttttatt 240
 attgaaatta tataattcaa agagaataaa tccacatagc cgtaaagttc tacatgtggt 300
 gcattaccaa aatatatata gcttacaaaa catgacaagc ttagtttgaa aaattgcaat 360
 ccttatcaca ttgacacata aagtgagtga tgagtcataa tattattttc ttgctaccc 420
 atcatgtata tatgatagcc acaaagttac tttgatgatg atatcaaaga acatttttag 480
 gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt 540
 aaaactaaca ctctaaagca accgatggga aagcatctat aaatagacaa gcacaatgaa 600
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 <213> Artificial sequence

<220>
 <223> primer PRM582

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<212> DNA

<213> Artificial sequence

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<223> primer PRM583

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52